We claim:

1. A process for determining the amount of polymer deposited
    from (meth)acrylic acid and/or (meth)acrylic esters, which
    comprises determining the concentration of dissolved polymer
    by measuring

    a) the propagation rate of soundwaves and/or
    b) the absorption coefficient in the infrared, near
        infrared, ultraviolet and/or visible region of the
        spectrum of electromagnetic radiation and/or
    c) by means of Raman spectroscopy.

2. A process as claimed in claim 1, wherein the measurement is
    carried out in a thermal separating apparatus.

3. A process as claimed in claims 1 and 2, wherein the value
    measured is used to derive and adjust the type and amount of
    the stabilizer system.

4. A process as claimed in claim 3, wherein (meth)acrylic acid
    and/or (meth)acrylic ester is stabilized using compounds from
    the groups of the phenols, N-oxyl compounds, aromatic amines,
    phenylenediamines, imines, sulfonamides, oximes, oxime
    ethers, hydroxylamines, urea derivatives, phosphorus
    compounds, sulfur compounds, complexing agents based on
    tetraazaannulene and metal salts and/or mixtures of the
    groups mentioned.

5. A process as claimed in claims 1 and 2, wherein the measured
    value is used to derive the economically optimum point in
    time for stopping the separating process.

6. A process as claimed in claims 1 and 2, wherein the
    concentration of dissolved polymer is determined online
    invasively and/or noninvasively.

7. A process for determining the amount of polymer deposited
    from (meth)acrylic acid and/or (meth)acrylic esters, which
    comprises determining the concentration of dissolved polymer
    offline and invasively, with the proviso that no cloudiness
    test is carried out.

8. A process as claimed in claim 7, wherein the concentration of
    dissolved polymer is determined by measuring

a)   the propagation rate of soundwaves and/or

b)   the absorption coefficient in the infrared, near infrared, ultraviolet and/or visible region of the spectrum of electromagnetic radiation and/or

5   c)   by means of Raman spectroscopy.

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